



Local Situation Report

Prepared: July 19, 2014 @ 1000

Local	GACC	Nat'l
1	1	3

Today's Fire Danger
Moderate / High

INCIDENT SUMMARY for Yesterday

COUNTY AND STATE FIRES						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u>	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

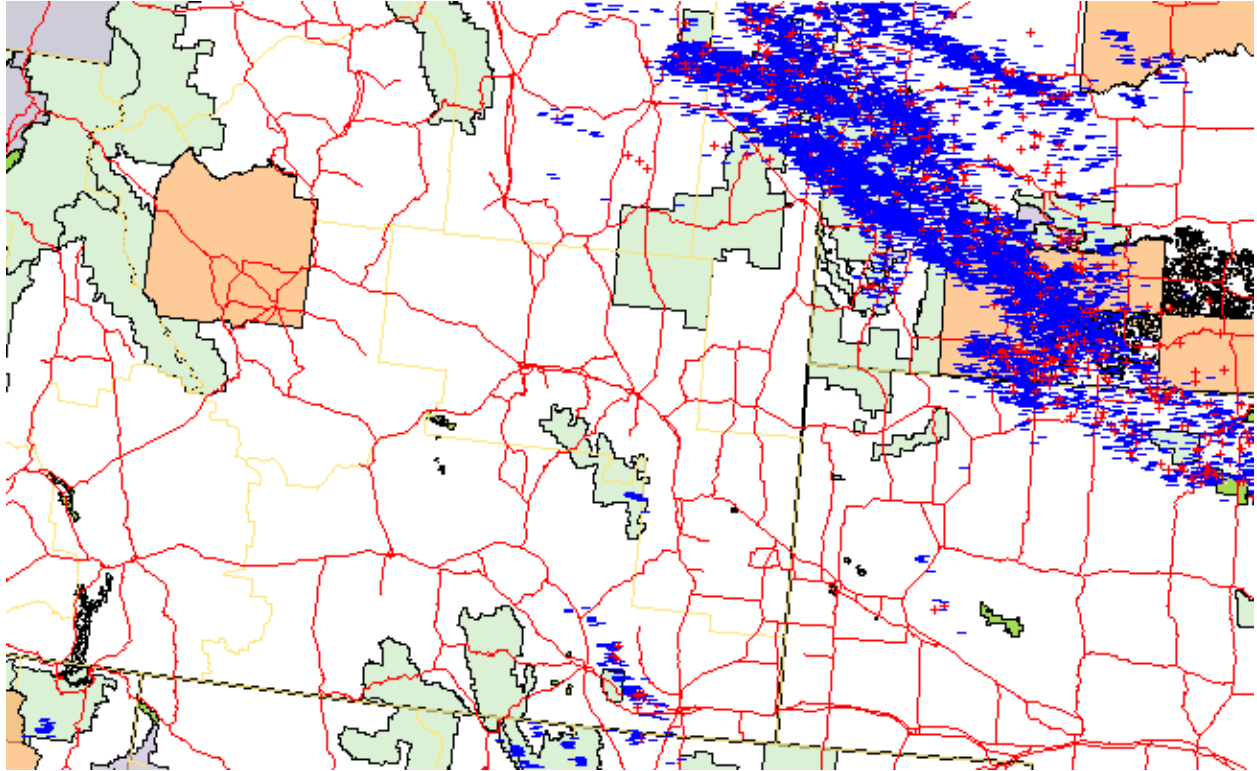
MED BOW NATIONAL FOREST						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u> (Acres)	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

WHPD BLM						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u>	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

Area Discussion:

Quiet day across the zone.

Lightning Map



INDICES (forecasted/actual)

<u>FDRA</u>	Predicted Today		
	Indices	Forecasted for 7/19	Actual for 7/18
Echeta	BI	76	73
Rochelle Hills	BI	78	68
Rochelle Hills	ERC	18	17
Poker Creek	ERC	53	48
Casper Mtn	ERC	57	55
Fales Rock	BI	84	51
Sandstone	ERC	n/a	62
Esterbrook	ERC	45	39
Sawmill Park	ERC	42	36

Duty Officers for Today:

<u>Duty Officers</u>	FS - Laramie	Gonnoud
	FS - Saratoga	Rogge
	FS - Douglas	Westbrook
	BLM	Ellis
	State	Fallbeck
	FS – MBF NF	Miller
	Dispatch	Fortner

Local Aviation Resources		Location	Status
	2TJ (Duncan) State	Duncan	A
	2HX (Rawlins) BLM		

Pumpkin Time for Aircraft for Today:

	Sunrise	Sunset	Pumpkin Time
Gillette	0536	2040	2110
Casper	0543	2039	2109
Glenrock	0542	2037	2107
Laramie	0546	2031	2101

Fire Restriction for the zone:

Agency	Date	Closed	Remarks
WEX	7/10		Weston Cnt open burning restrictions
BLM	7/10		BLM Lands Weston County

Weather Discussion

WYZ280 -
NATRONA COUNTY/CASPER BLM

...NEAR CRITICAL FIRE CONDITIONS THIS AFTERNOON FOR ZONE 280...

HIGH PRESSURE WILL BRING A DRY DAY FOR SATURDAY. WITH BREEZES OF 15 TO 20 MPH AND RELATIVE HUMIDITY DROPPING TO THE MID TEENS NEAR CRITICAL FIRE CONDITIONS MAY DEVELOP IN NATRONA COUNTY. MONSOONAL MOISTURE MOVING NORTHWARD WILL BRING AN INCREASING CHANCE FOR THUNDERSTORMS STARTING LATE SUNDAY AND SUNDAY EVENING MAINLY FOR ZONES 280...289 AND 300. ON MONDAY...THE BEST CHANCE OF THUNDERSTORMS WILL SHIFT TO ZONE 281. TEMPERATURES WILL AVERAGE ABOVE NORMAL WITH RIDGING OVER THE AREA.

...THUNDERSTORMS IMPLY STRONG GUSTY AND ERRATIC WINDS...
...HAINES INDEX IS HIGH LEVEL HAINES BOTH DAY AND NIGHT...

.TODAY...

SKY/WEATHER.....MOSTLY SUNNY. AREAS OF SMOKE.
MAX TEMPERATURE.....89-94.
24 HR TREND.....5 DEGREES WARMER.
MIN HUMIDITY.....9-15 PERCENT.
24 HR TREND.....4 PERCENT DRIER.
20-FOOT WINDS.....WEST WINDS AROUND 15 MPH WITH HIGHER GUSTS.
RIDGE TOP WINDS.....WEST AROUND 15 MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....WEST AROUND 20 MPH.
MIXING HEIGHT.....3500-6000 FT AGL UNTIL 1200...THEN 7500-10000
FT AGL.
SMOKE DISPERSAL.....GOOD (62000-82000 KNOT-FT) UNTIL 1200...THEN
VERY GOOD (124000-144000 KNOT-FT).
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR. AREAS OF SMOKE.
MIN TEMPERATURE.....55-60.
24 HR TREND.....UNCHANGED.
MAX HUMIDITY.....53-59 PERCENT.
24 HR TREND.....3 PERCENT DRIER.
HUMIDITY RECOVERY...MODERATE.
20-FOOT WINDS.....NORTHWEST WINDS AROUND 10 MPH UNTIL 2400...THEN
DOWNSLOPE/DOWNVALLEY 4-7 MPH UNTIL 0300...THEN
SOUTHWEST AROUND 10 MPH. GUSTS UP TO 15 MPH.
RIDGE TOP WINDS.....WEST 10 TO 15 MPH.
LAL.....1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....WEST 15 TO 20 MPH.
MIXING HEIGHT.....7500-10000 FT AGL UNTIL 2400...THEN 2500-5000
FT AGL.
SMOKE DISPERSAL.....VERY GOOD (110000-130000 KNOT-FT) UNTIL
2400...THEN POOR TO FAIR (38000-58000 KNOT-FT).
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

Weather Discussion

WYZ301 -

NIOBRARA/LOWER ELEVATIONS OF CONVERSE/THUNDER BASIN NATIONAL
GRASSLAND

.DISCUSSION...A DRY AND HOT DAY IS IN STORE FOR TODAY WITH DRY
NORTHWEST FLOW ALOFT OVER THE DISTRICT. ANOTHER HOT DAY WILL OCCUR
ON SUNDAY ON THE NORTHERN PERIPHERY OF A RIDGE ALOFT...THOUGH WITH
ISOLATED LATE DAY THUNDERSTORMS WEST OF INTERSTATE 25 AS MONSOONAL
MOISTURE INCREASES SLIGHTLY. THE HOT WEATHER WILL CONTINUE ON
MONDAY WITH ISOLATED LATE DAY THUNDERSTORMS.

.TODAY...

SKY/WEATHER.....MOSTLY SUNNY.

MAX TEMPERATURE.....90-95.

24 HR TREND.....5 DEGREES WARMER.

MIN HUMIDITY.....13-19 PERCENT.

24 HR TREND.....3 PERCENT DRIER.

20-FOOT WINDS.....WEST UP TO 15 MPH SHIFTING TO THE NORTHWEST IN
THE AFTERNOON. GUSTS UP TO 30 MPH.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....WEST 10 TO 15 MPH.

MIXING HEIGHT.....7700-9100 FT AGL INCREASING TO 11100-13100 FT
AGL IN THE AFTERNOON.

SMOKE DISPERSAL.....GOOD (78400 KNOT-FT) INCREASING TO EXCELLENT
(170600 KNOT-FT) IN THE AFTERNOON.

HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR.

MIN TEMPERATURE.....58-63.

24 HR TREND.....1 DEGREE WARMER.

MAX HUMIDITY.....64-70 PERCENT.

24 HR TREND.....UNCHANGED.

HUMIDITY RECOVERY...FAIR.

20-FOOT WINDS.....NORTHWEST UP TO 15 MPH AND GUSTY.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....NORTH 10 TO 15 MPH.

MIXING HEIGHT.....5700-6800 FT AGL DECREASING TO 300 FT AGL AFTER
MIDNIGHT.

SMOKE DISPERSAL.....GOOD (69400 KNOT-FT) DECREASING TO POOR (2100
KNOT-FT) AFTER MIDNIGHT.

HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME
DOMINATED FIRE GROWTH.

Weather Discussion

WYZ307 -

SNOWY RANGE/MEDICINE BOW NF

.DISCUSSION...A DRY AND HOT DAY IS IN STORE FOR TODAY WITH DRY NORTHWEST FLOW ALOFT OVER THE DISTRICT. ANOTHER HOT DAY WILL OCCUR ON SUNDAY ON THE NORTHERN PERIPHERY OF A RIDGE ALOFT...THOUGH WITH ISOLATED LATE DAY THUNDERSTORMS WEST OF INTERSTATE 25 AS MONSOONAL MOISTURE INCREASES SLIGHTLY. THE HOT WEATHER WILL CONTINUE ON MONDAY WITH ISOLATED LATE DAY THUNDERSTORMS.

.TODAY...

SKY/WEATHER.....MOSTLY SUNNY UNTIL 1200...THEN PARTLY CLOUDY.
MAX TEMPERATURE.....74-82.
24 HR TREND.....7 DEGREES WARMER.
MIN HUMIDITY.....15-21 PERCENT.
24 HR TREND.....6 PERCENT DRIER.
20-FOOT WINDS.....BREEZY. WEST 10 TO 25 MPH WITH GUSTS TO AROUND 40 MPH.
LAL.....1 UNTIL 1200...THEN 2.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....WEST 20 TO 25 MPH.
MIXING HEIGHT.....8200-9500 FT AGL INCREASING TO 11900-13700 FT AGL IN THE AFTERNOON.
SMOKE DISPERSAL.....VERY GOOD (143800 KNOT-FT) INCREASING TO EXCELLENT (297200 KNOT-FT) IN THE AFTERNOON.
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH.

.TONIGHT...

SKY/WEATHER.....PARTLY CLOUDY.
MIN TEMPERATURE.....48-54.
24 HR TREND.....4 DEGREES WARMER.
MAX HUMIDITY.....50-56 PERCENT.
24 HR TREND.....2 PERCENT DRIER.
HUMIDITY RECOVERY...POOR.
20-FOOT WINDS.....WEST 10 TO 20 MPH WITH GUSTS TO AROUND 35 MPH.
LAL.....2 UNTIL 2100...THEN 1.
CHC OF WETTING RAIN.ZERO PERCENT.
TRANSPORT WINDS.....WEST 15 TO 20 MPH.
MIXING HEIGHT.....6300-7100 FT AGL DECREASING TO 100-600 FT AGL AFTER MIDNIGHT.
SMOKE DISPERSAL.....VERY GOOD (116000 KNOT-FT) DECREASING TO POOR (5300 KNOT-FT) AFTER MIDNIGHT.
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH.